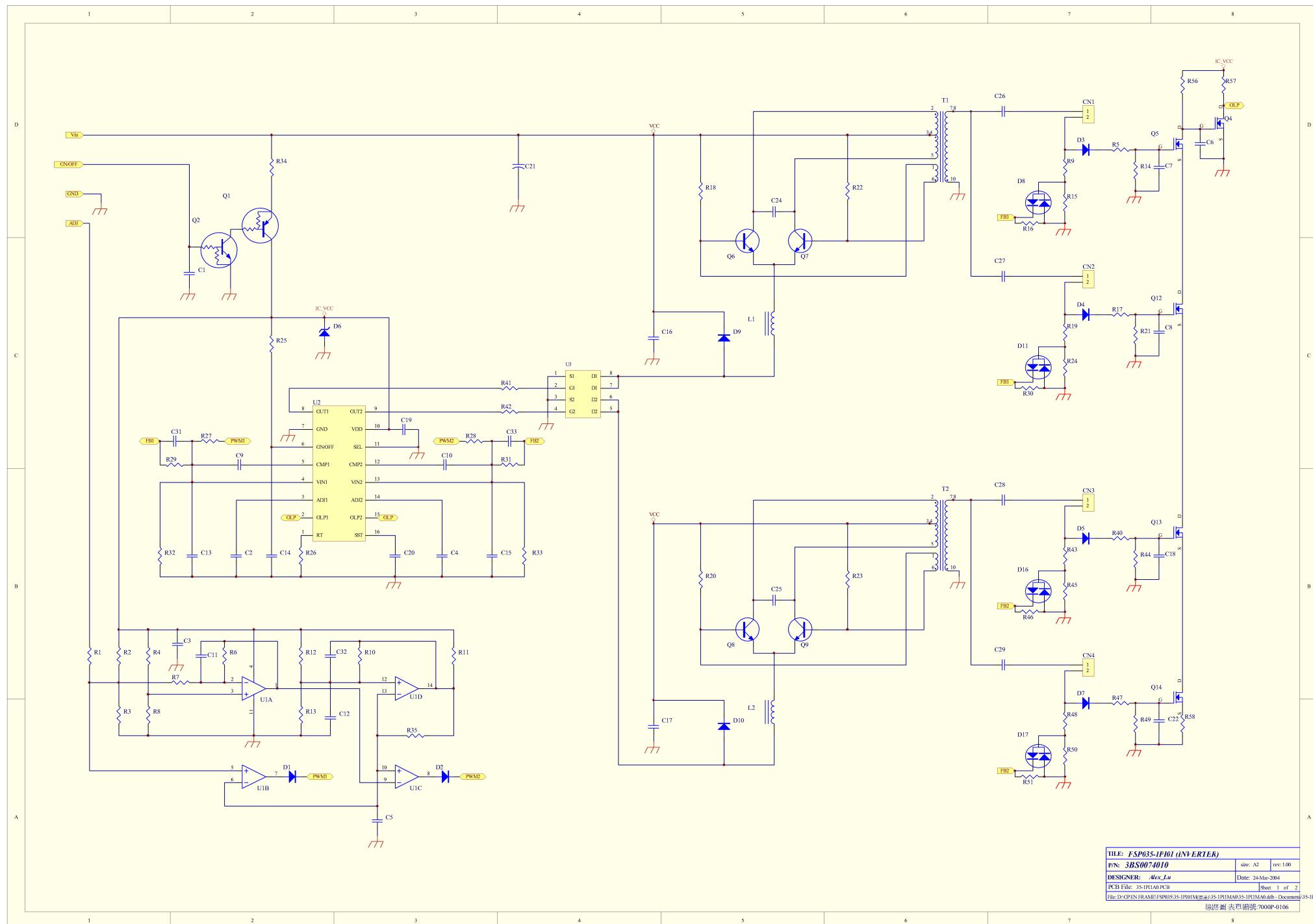
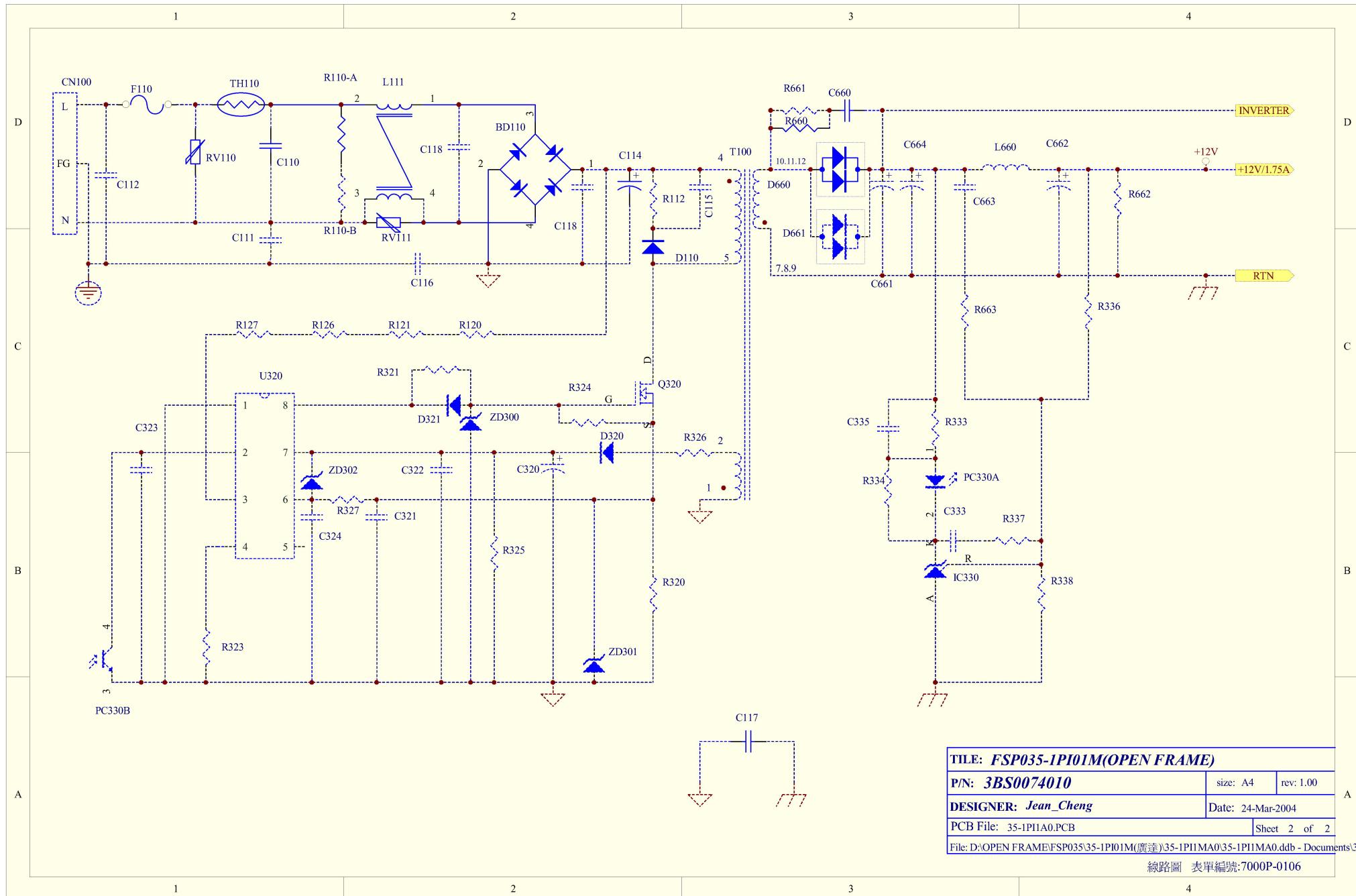


## 10. SCHEMATIC DIAGRAM POWER DB



TITLE: FSP035-IP101 (INVERTER)		
PN: 3BS0074010	size: A2	rev: 100
DESIGNER: Alex Lu	Date: 24-Mar-2004	
PCB File: 3S-IP101A0-PCB	Sheet 1 of 2	
File: D:\OP\IN\FRAME\FSP035-IP101M00\3S-IP101M00\3S-IP101M00.dwg	Document: 3S-IP101	
续修图 大图请进:7000P-0106		



## Power / Inverter BD

Item	Description	Unit	Qty	Location	Maker
1001	DIODE,BRIDGE,2A,600V,GLASS,KBP205G,T,S	PCS	1	BD110:,	T,S
1001-A	DIODE,BRIDGE,2A,600V,GLASS,KBP206G,LITEON	PCS			LITEON
1001-B	DIODE,BRIDGE,2A,600V,GLASS,2KBP06M,PAN JLT	PCS			PAN JLT
1002	DIODE,FAST,1A,600V,DO-41,1N4937,T,S	PCS	1	D320:,	T,S
1002-A	DIODE,FAST,1A,600V,DO-41,1N4937,LITEON	PCS			LITEON
1002-B	DIODE,FAST,1A,600V,DO-204AL,1N4937,GS	PCS			GS
1003	DIODE,SHOTTKY,10A,100V,TO-220AB,,MBR10100CT,LITEON	PCS	2	D660:,D661:,	LITEON
1003-A	DIODE,SHOTTKY,10A,100V,TO-220AB,,STPS10H100CT,STM	PCS			STM
1003-B	DIODE,SHOTTKY,10A,100V,TO-220AB,,GMR10H100C,GAMMA	PCS			GAMMA
1004	DIODE,ULTRAFAST,1A,1000V,DO-15,,BVV26EGP,GS	PCS	1	D110:,	GS
1004-A	DIODE,ULTRAFAST,1A,1000V,SOD-57,,BVV26E,PHILIPS	PCS			PHILIPS
1004-B	DIODE,ULTRAFAST,1A,1000V,DO-15,1NU41,TOSHIBA	PCS			TOSHIBA
1005	IC,PWM CONTROLLER,DIP-16P,,B13101A-DP,BITEK	PCS	1	U2:,	BITEK
1006	IC,VOLT REGULATOR,,TO-92,+0.8%,AZ431BZ-A,AAC	PCS	1	IC330:,	AAC
1006-A	IC,VOLT REGULATOR,,TO-92,1%,K1A431A,KEC	PCS			KEC
1006-B	IC,VOLT REGULATOR,TO-92,1%,CM431,CHAMPION	PCS			CHAMPION
1006-C	IC,VOLT REGULATOR,,TO-92,+1%,AP431,ATC	PCS			ATC
1007	IC,OPTO COUPLER,,CTR 130-260,DIP-4P(1.0mm),LTV817BM,LITEON	PCS	1	PC330:,	LITEON
1007-A	IC,OPTO COUPLER,,CTR 130-260,DIP-4P(1.0mm),PS2561L1-VW,NEC	PCS			NEC
1008	TR,N,MOSFET,2.5A,650V,TO-220F,,CEP04N6,CET	PCS	1	Q320:,	CET
1009	DIODE,ZENER,23.6-24.7V,500mW,D0-35,,ZXZ24B,TEMIC	PCS	1	ZD302:,	TEMIC
1009-A	DIODE,ZENER,23.6-24.7V,0.5W,DO-35,,HZ24-2TA,HITACHI	PCS			HITACHI
1009-B	DIODE,ZENER,23.6-24.7V,500mW,D0-35,,ZXZ24B,VISHAY	PCS			VISHAY
1010	DIODE,ZENER,SMD,7.7-8.7V,0.5W,SOD-80,,BZV55C8V2,PHILIPS	PCS	1	D6:,	PHILIPS
1010-A	DIODE,ZENER,SMD,7.7-8.7V,0.5W,SOD-80,,TZMCA8V2,VISHAY	PCS			VISHAY
1011	DIODE,FAST,0.15A,75V,SOD-23,SMD,,BAV99,PAN JLT	PCS	4	D11:;D16:,D17:,D8:,	PAN JLT
1011-A	DIODE,FAST,0.215A,75V,BAV99,SOT-23,SMD,,PHILIPS	PCS			PHILIPS
1011-B	DIODE,FAST,0.215A,70V,SOT-23,SMD,BAV99LT1,MOTOROLA	PCS			MOTOROLA
1011-C	DIODE,FAST,0.25A,70V,SOT-23,SMD,BAV99,TEMIC	PCS			TEMIC
1012	DIODE,SWITCH,0.2A,100V,LL-34,SMD,RLS4148N,ROHM	PCS	6	D1:;D2:,D3:,D4:,D5:,D7:,	ROHM
1012-A	DIODE,SWITCH,0.2A,100V,SOD-80,SMD,LL4148,TEMIC	PCS			TEMIC
1012-B	DIODE,SWITCH,0.2A,100V,SOD-80,SMD,LL4148,PAN JLT	PCS			PAN JLT
1013	DIODE,SHOTTKY,2A,40V,DO-214AC,SMD,SR24,PAN JLT	PCS	2	D10:,D9:,	PAN JLT
1013-A	DIODE,SHOTTKY,2A,40V,SMD,RB060L-40,TE-25,ROHM	PCS			ROHM
1013-B	DIODE,SHOTTKY,2A,40V,SMA,DO-214AC,SS24,T,S	PCS			T,S
1013-C	DIODE,SHOTTKY,2A,40V,B240 SMB,LITEON	PCS			LITEON
1013-D	DIODE,SHOTTKY,2A,40V,DO-214AA,SMB240,FC1	PCS			FC1
1014	IC,OP AMPLIFIER,SMD,SO-14,LM324,STM	PCS	1	U1:,	STM
1015	IC,PWM CONTROLLER,SMD,SO-8,SG6841,SYSTEM GENERAL	PCS	1	U320:,	SYSTEM GEN
1016	TR,PNP,0.1A,50V,SOT-23,,SMD,MMUN2132LT1,MOTOROLA	PCS	1	Q1:,	MOTOROLA
1016-A	TR,PNP,0.1A,50V,UMT3(SC-70),SMD,DTA143EA,ROHM	PCS			ROHM
1016-B	TR,PNP,0.1A,50V,SOT-23,,SMD,KSR2104,FAIRCHILD	PCS			FAIRCHILD
1017	TR,PNP,0.2A,50V,MP13(SOT-89),SMD,2SC4672,ROHM	PCS	4	Q6:,Q7:,Q8:,Q9:,	ROHM
1018	TR,PNP,0.1A,50V,SOT-23,,MMUN2232T1,MOTOROLA	PCS	1	Q2:,	MOTOROLA
1018-A	TR,PNP,0.1A,50V,SOT-23,,KSR1103,FAIRCHILD	PCS			FAIRCHILD
1018-B	TR,PNP,0.1A,50V,SOT-23,,PDTC124ET,PHILIPS	PCS			PHILIPS
1018-C	TR,PNP,0.1A,50V,UMT3(SC-70),SMD,DT143EA,ROHM	PCS			ROHM
1019	TR,N-MOSFET,0.115A,60V,SOT-23,,SMD,RK7002,ROHM	PCS	5	Q12:,Q13:,Q14:,Q4:,Q5:,	ROHM
1019-A	TR,N-MOSFET,0.115A,60V,SOT-23,SMD,2N7002,VISHAY	PCS			VISHAY
1019-B	TR,N-MOSFET,0.115A,60V,SOT-23,,SMD,2N7002,PAN JLT	PCS			PAN JLT
1019-C	TR,N-MOSFET,0.115A,60V,SOT-23,,SMD,2N7002LT1,ON	PCS			ON
1019-D	TR,N-MOSFET,0.3A,60V,SOT-23,,SMD,2N7002K,VISHAY	PCS			VISHAY
1020	TR,N-MOSFET,6.9A,30V,SOIC-8,,SMD,QA04812,ALPHA&OMEGA	PCS	1	U3:,	ALPHA&OMEGA
2001	CAP,CD,102,K,1KV,15P,CD106B102K1KV,A5520,CHYUN FUH	PCS	2	C115:,C660:,	CHYUN FUH
2001-A	CAP,CD,102,K,1KV,15P,,HI-K2,(G,P),2Y5P102K102S56,SEC	PCS			SEC
2001-B	CAP,CD,102,K,1KV,9*5,CK45-R3AD102K-PR,TDK	PCS			TDK
2002	CAP,CD,22P,1KV,Y5P,8*5*,CC45SL3FD220YPN,TDK	PCS	4	C26:,C27:,C28:,C29:,	TDK
2002-A	CAP,CD,22P,1KV,Y5P,8*5*,DEA1X3F220JP3A,MURATA	PCS			MURATA
2003	CAP,CD,103,M,500V,Z5U,10*5*,	PCS	1	C118:,	
2004	CAP,X,334,K,275V,BOX,18L*8.5*16.5H*15FL=28,(G,P),HQX334K275128S,UTX	PCS	1	C110:,	UTX
2004-A	CAP,X,334,K,275V,BOX,18L*9.5*16H*15L,KNB1560-L25,ISKRA	PCS			ISKRA
2005	CAP,Y,1,222,M,250V,CD,12.5*10L-25,(G,P),AH12E222ML,PAN OVERSEA	PCS	1	C117:,	PAN OVERSEA
2005-A	CAP,Y,1,222,M,250V,CD,11.5*10.25mm,CD12-E2GA222MYAS,TDK	PCS			TDK
2005-B	CAP,Y,1,222,M,250V,CD,11*10L=20,,SSE222MT402A97,SEC	PCS			SEC
2006	CAP,Y,1,102,M,250V,CD,7*10L=25,,DE1E3KX102MA4BL01,MURATA	PCS	2	C111:,C112:,	MURATA
2006-A	CAP,Y,1,102,M,250V,,CDH09E102ML,PANOVERSEA	PCS			PANOVERSEA
2007	CAP,Y,1,471,K,250V,CD,9.5*10L=25,,AH09B471KL,PAN OVERSEA	PCS	1	C116:,	PAN OVERSEA
2007-A	CAP,Y,1,471,K,250V,CD,11*10L=20,,ECKANA471KB,NS,A,MATSUSHITA	PCS			MATSUSHITA
2007-B	CAP,Y,1,471,K,250V,CD,11*10L=20,,5SB471KT402A97,SEC	PCS			SEC
2008	CAP,AL,100uF,400V,105C,M,18*31.5,Pin=15,KM101M400K315,CAPXON	PCS	1	C114:,	CAPXON
2008-A	CAP,AL,100uF,400V,105C,M,18*30,Pin=15 MIN,AXW,RUBYCON	PCS			RUBYCON
2008-B	CAP,AL,100uF,400V,105C,M,18*31.5,Pin=15 MIN,KMG400VB100,N.C.C	PCS			N.C.C
2008-C	CAP,AL,100uF,400V,105C,M,18*32,Pin=15mm MIN,SH400M100,TEAPO	PCS			TEAPO
2009	CAP,AL,LOW ESR,10uF,50V,,105C,M,5*1,TAPEING,KF100M050C110,CAPXON	PCS	1	C320:,	CAPXON
2009-A	CAP,AL,LOW ESR,10uF,50V,,105C,M,5*1,TAPEING,YXF,RUBYCON ; & N.C.C.KME	PCS			RUBYCON ; N.C.C
2009-B	CAP,AL,LOW ESR,10uF,50V,,105C,M,5*1,RLS,OST	PCS			OST
2010	CAP,AL,LOW ESR,170uF,25V,105C,M,10*16,Pin=15,KF171M025G160,CAPXON	PCS	2	C661:,C664:,	CAPXON
2010-A	CAP,AL,LOW ESR,170uF,25V,105C,M,10*16,Pin=15,,YXG,RUBYCON	PCS			RUBYCON
2010-B	CAP,AL,LOW ESR,170uF,25V,105C,M,10*16,,RLS,OST	PCS			OST
2011	CAP,AL,LOW ESR,470uF,25V,105C,M,10*16,Pin=15,7000HOURS,HW,TAICON	PCS	1	C662:C661:,C664:,	TAICON
2012	CAP,AL,LOW ESR,330uF,35V,105C,M,10*16,Pin=15,,KF331M035G160,CAPXON	PCS	1	C21:,	CAPXON
2012-A	CAP,AL,LOW ESR,330uF,35V,105C,M,10*16,,YXG,(RUBYCON)	PCS			(RUBYCON)
2013	THERMISTOR,2.5 ohm,5A,11.5*7.5,KINK,(G,P),SCK-2R55AMIQ4.0,THIKING	PCS	1	TH110:,	THIKING
2014	CAP,POLY PROPYLENE,0.15uF,K,160V,13L*4T*9H*10F,BOX,R75GF3150,ARCO	PCS	2	C24:,C25:,	HJC
2015	RES,MOX,0.51 ohm,2W,J,S-SIZE,SERIES	PCS	1	R320:,	ARCO
2016	RES,MOX,33K ohm,2W,J,S-SIZE,,	PCS	1	R112:,	
2017	RES,ME,7.82K ohm,1/4W,F,,	PCS	1	R336:,	
2018	RES,MOX,1.5K ohm,1W,J,S-SIZE,,	PCS	4	R18:,R20:,R22:,R23:,	
2019	CAP,SMD,0805,103P,50V,X7R,	PCS	6	C10:,C14:,C16:,C17:,C32:,C32:,	
2020	CAP,SMD,0805,102,K,50V,X7R,	PCS	2	C12:,C333:,	
2021	CAP,SMD,0805,104,K,50V,X7R,	PCS	13	C1:,C11:,C13:,C15:,C18:,C2:,C22:,C32:,C32:,	
2022	CAP,SMD,0805,471,K,50V,X7R,	PCS	1	C324:,	
2023	CAP,SMD,0805,472,K,50V,X7R,	PCS	1	C663:,	
2024	CAP,SMD,0805,105,K,16V,X7R,	PCS	3	C19:,C20:,C3:,	
2025	CAP,SMD,0805,271,K,50V,X7R,	PCS	2	C31:,C33:,	

## Power / Inverter BD

Item	Description	Unit	Qty	Location	Maker
1001	DIODE,BRIDGE,2A,600V,GLASS,KBP205G,T,S	PCS	1	BD110:,	T,S
1001-A	DIODE,BRIDGE,2A,600V,GLASS,KBP206G,LITEON	PCS			LITEON
1001-B	DIODE,BRIDGE,2A,600V,GLASS,2KBP06M,PAN JLT	PCS			PAN JLT
1002	DIODE,FAST,1A,600V,DO-41,1N4937,T,S	PCS	1	D320:,	T,S
1002-A	DIODE,FAST,1A,600V,DO-41,1N4937,LITEON	PCS			LITEON
1002-B	DIODE,FAST,1A,600V,DO-204AL,1N4937,GS	PCS			GS
1003	DIODE,SHOTTKY,10A,100V,TO-220AB,,MBR10100CT,LITEON	PCS	2	D660:,D661:,	LITEON
1003-A	DIODE,SHOTTKY,10A,100V,TO-220AB,,STPS10H100CT,STM	PCS			STM
1003-B	DIODE,SHOTTKY,10A,100V,TO-220AB,,GMR10H100C,GAMMA	PCS			GAMMA
1004	DIODE,ULTRAFAST,1A,1000V,DO-15,,BVV26EGP,GS	PCS	1	D110:,	GS
1004-A	DIODE,ULTRAFAST,1A,1000V,SOD-57,,BVV26E,PHILIPS	PCS			PHILIPS
1004-B	DIODE,ULTRAFAST,1A,1000V,DO-15,1NU41,TOSHIBA	PCS			TOSHIBA
1005	IC,PWM CONTROLLER,DIP-16P,,B13101A-DP,BITEK	PCS	1	U2:,	BITEK
1006	IC,VOLT REGULATOR,,TO-92,+0.8%,AZ431BZ-A,AAC	PCS	1	IC330:,	AAC
1006-A	IC,VOLT REGULATOR,,TO-92,1%,K1A431A,KEC	PCS			KEC
1006-B	IC,VOLT REGULATOR,TO-92,1%,CM431,CHAMPION	PCS			CHAMPION
1006-C	IC,VOLT REGULATOR,,TO-92,+1%,AP431,ATC	PCS			ATC
1007	IC,OPTO COUPLER,,CTR 130-260,DIP-4P(1.0mm),LTV817BM,LITEON	PCS	1	PC330:,	LITEON
1007-A	IC,OPTO COUPLER,,CTR 130-260,DIP-4P(1.0mm),PS2561L1-VW,NEC	PCS			NEC
1008	TR,N,MOSFET,2.5A,650V,TO-220F,,CEP04N6,CET	PCS	1	Q320:,	CET
1009	DIODE,ZENER,23.6-24.7V,500mW,D0-35,,ZXZ24B,TEMIC	PCS	1	ZD302:,	TEMIC
1009-A	DIODE,ZENER,23.6-24.7V,0.5W,DO-35,,HZ24-2TA,HITACHI	PCS			HITACHI
1009-B	DIODE,ZENER,23.6-24.7V,500mW,D0-35,,ZXZ24B,VISHAY	PCS			VISHAY
1010	DIODE,ZENER,SMD,7.7-8.7V,0.5W,SOD-80,,BZV55C8V2,PHILIPS	PCS	1	D6:,	PHILIPS
1010-A	DIODE,ZENER,SMD,7.7-8.7V,0.5W,SOD-80,,TZMCA8V2,VISHAY	PCS			VISHAY
1011	DIODE,FAST,0.15A,75V,SOD-23,SMD,,BAV99,PAN JLT	PCS	4	D11:;D16:,D17:,D8:,	PAN JLT
1011-A	DIODE,FAST,0.215A,75V,BAV99,SOT-23,SMD,,PHILIPS	PCS			PHILIPS
1011-B	DIODE,FAST,0.215A,70V,SOT-23,SMD,BAV99LT1,MOTOROLA	PCS			MOTOROLA
1011-C	DIODE,FAST,0.25A,70V,SOT-23,SMD,BAV99,TEMIC	PCS			TEMIC
1012	DIODE,SWITCH,0.2A,100V,LL-34,SMD,RLS4148N,ROHM	PCS	6	D1:;D2:,D3:,D4:,D5:,D7:,	ROHM
1012-A	DIODE,SWITCH,0.2A,100V,SOD-80,SMD,LL4148,TEMIC	PCS			TEMIC
1012-B	DIODE,SWITCH,0.2A,100V,SOD-80,SMD,LL4148,PAN JLT	PCS			PAN JLT
1013	DIODE,SHOTTKY,2A,40V,DO-214AC,SMD,SR24,PAN JLT	PCS	2	D10:,D9:,	PAN JLT
1013-A	DIODE,SHOTTKY,2A,40V,SMD,RB060L-40,TE-25,ROHM	PCS			ROHM
1013-B	DIODE,SHOTTKY,2A,40V,SMA,DO-214AC,SS24,T,S	PCS			T,S
1013-C	DIODE,SHOTTKY,2A,40V,B240 SMB,LITEON	PCS			LITEON
1013-D	DIODE,SHOTTKY,2A,40V,DO-214AA,SMB240,FC1	PCS			FC1
1014	IC,OP AMPLIFIER,SMD,SO-14,LM324,STM	PCS	1	U1:,	STM
1015	IC,PWM CONTROLLER,SMD,SO-8,SG6841,SYSTEM GENERAL	PCS	1	U320:,	SYSTEM GEN
1016	TR,PNP,0.1A,50V,SOT-23,,SMD,MMUN2132LT1,MOTOROLA	PCS	1	Q1:,	MOTOROLA
1016-A	TR,PNP,0.1A,50V,UMT3(SC-70),SMD,DTA143EA,ROHM	PCS			ROHM
1016-B	TR,PNP,0.1A,50V,SOT-23,,SMD,KSR2104,FAIRCHILD	PCS			FAIRCHILD
1017	TR,PNP,0.2A,50V,MP13(SOT-89),SMD,2SC4672,ROHM	PCS	4	Q6:,Q7:,Q8:,Q9:,	ROHM
1018	TR,PNP,0.1A,50V,SOT-23,,MMUN2232T1,MOTOROLA	PCS	1	Q2:,	MOTOROLA
1018-A	TR,PNP,0.1A,50V,SOT-23,,KSR1103,FAIRCHILD	PCS			FAIRCHILD
1018-B	TR,PNP,0.1A,50V,SOT-23,,PDTC124ET,PHILIPS	PCS			PHILIPS
1018-C	TR,PNP,0.1A,50V,UMT3(SC-70),SMD,DT143EA,ROHM	PCS			ROHM
1019	TR,N-MOSFET,0.115A,60V,SOT-23,,SMD,RK7002,ROHM	PCS	5	Q12:,Q13:,Q14:,Q4:,Q5:,	ROHM
1019-A	TR,N-MOSFET,0.115A,60V,SOT-23,SMD,2N7002,VISHAY	PCS			VISHAY
1019-B	TR,N-MOSFET,0.115A,60V,SOT-23,,SMD,2N7002,PAN JLT	PCS			PAN JLT
1019-C	TR,N-MOSFET,0.115A,60V,SOT-23,,SMD,2N7002LT1,ON	PCS			ON
1019-D	TR,N-MOSFET,0.3A,60V,SOT-23,,SMD,2N7002K,VISHAY	PCS			VISHAY
1020	TR,N-MOSFET,6.9A,30V,SOIC-8,,SMD,QA04812,ALPHA&OMEGA	PCS	1	U3:,	ALPHA&OMEGA
2001	CAP,CD,102,K,1KV,1Y5P,CD106B102K1KV,A5520,CHYUN FUH	PCS	2	C115:,C660:,	CHYUN FUH
2001-A	CAP,CD,102,K,1KV,Y5P,,HI-K2,(G,P),2Y5P102K102S56,SEC	PCS			SEC
2001-B	CAP,CD,102,K,1KV,9*5,CK45-R3AD102K-PR,TDK	PCS			TDK
2002	CAP,CD,22P,1KV,Y5P,8*5*,CC45SL3FD220YPN,TDK	PCS	4	C26:,C27:,C28:,C29:,	TDK
2002-A	CAP,CD,22P,1KV,Y5P,8*5*,DEA1X3F220JP3A,MURATA	PCS			MURATA
2003	CAP,CD,103,M,500V,Z5U,10*5*,	PCS	1	C118:,	
2004	CAP,X,334,K,275V,BOX,18L*8.5*16.5H*15FL=28,(G,P),HQX334K275128S,UTX	PCS	1	C110:,	UTX
2004-A	CAP,X,334,K,275V,BOX,18L*9.5*16H*15L,KNB1560-L25,ISKRA	PCS			ISKRA
2005	CAP,Y,1,222,M,250V,CD,12.5*10L-25,(G,P),AH12E222ML,PAN OVERSEA	PCS	1	C117:,	PAN OVERSEA
2005-A	CAP,Y,1,222,M,250V,CD,11.5*10.25mm,CD12-E2GA222MYAS,TDK	PCS			TDK
2005-B	CAP,Y,1,222,M,250V,CD,11*10L=20,,SSE222MT402A97,SEC	PCS			SEC
2006	CAP,Y,1,102,M,250V,CD,7*10L=25,,DE1E3KX102MA4BL01,MURATA	PCS	2	C111:,C112:,	MURATA
2006-A	CAP,Y,1,102,M,250V,,CDH09E102ML,PANOVERSEA	PCS			PANOVERSEA
2007	CAP,Y,1,471,K,250V,CD,9.5*10L=25,,AH09B471KL,PAN OVERSEA	PCS	1	C116:,	PAN OVERSEA
2007-A	CAP,Y,1,471,K,250V,CD,11*10L=20,,ECKANA471KB,NS,A,MATSUSHITA	PCS			MATSUSHITA
2007-B	CAP,Y,1,471,K,250V,CD,11*10L=20,,5SB471KT402A97,SEC	PCS			SEC
2008	CAP,AL,100uF,400V,105C,M,18*31.5,Pin=15,KM101M400K315,CAPXON	PCS	1	C114:,	CAPXON
2008-A	CAP,AL,100uF,400V,105C,M,18*30,Pin=15 MIN,AXW,RUBYCON	PCS			RUBYCON
2008-B	CAP,AL,100uF,400V,105C,M,18*31.5,Pin=15 MIN,N.C,C	PCS			N.C.C
2008-C	CAP,AL,100uF,400V,105C,M,18*32,Pin=15mm MIN,SH400M100,TEAPO	PCS			TEAPO
2009	CAP,AL,LOW ESR,10uF,50V,105C,M,5*1,TAPEING,KF100M050C110,CAPXON	PCS	1	C320:,	CAPXON
2009-A	CAP,AL,LOW ESR,10uF,50V,105C,M,5*1,TAPEING,YXF,RUBYCON ; & N.C.C,KME	PCS			RUBYCON ; N.C.C
2009-B	CAP,AL,LOW ESR,10uF,50V,105C,M,5*1,RLS,OST	PCS			OST
2010	CAP,AL,LOW ESR,170uF,25V,105C,M,10*16,Pin=15,KF171M025G160,CAPXON	PCS	2	C661:,C664:,	CAPXON
2010-A	CAP,AL,LOW ESR,170uF,25V,105C,M,10*16,Pin=15,VXF,RUBYCON	PCS			RUBYCON
2010-B	CAP,AL,LOW ESR,170uF,25V,105C,M,10*16,RLS,OST	PCS			OST
2011	CAP,AL,LOW ESR,470uF,25V,105C,M,10*16,Pin=15,7000HOURS,HW,TAICON	PCS	1	C662:C661:,C664:,	TAICON
2012	CAP,AL,LOW ESR,330uF,35V,105C,M,10*16,Pin=15,KF331M035G160,CAPXON	PCS	1	C21:,	CAPXON
2012-A	CAP,AL,LOW ESR,330uF,35V,105C,M,10*16,,YXG,(RUBYCON)	PCS			(RUBYCON)
2013	THERMISTOR,2.5 ohm,5A,11.5*7.5,KINK,(G,P),SCK-2R55AMIQ4.0,THIKING	PCS	1	TH110:,	THIKING
2014	CAP,POLY PROPLENE,0.15uF,K,160V,13L*4T*9H*10F,BOX,R75GF3150,ARCO	PCS	2	C24:,C25:,	HJC
2015	RES,MOX,0.51 ohm,2W,J,S-SIZE,SERIES	PCS	1	R320:,	ARCO
2016	RES,MOX,33K ohm,2W,J,S-SIZE,,	PCS	1	R112:,	
2017	RES,ME,7.82K ohm,1/4W,F,,	PCS	1	R336:,	
2018	RES,MOX,1.5K ohm,1W,J,S-SIZE,,	PCS	4	R18:,R20:,R22:,R23:,	
2019	CAP,SMD,0805,103P,50V,X7R,	PCS	6	C10:,C14:,C16:,C17:,C32:,C32:,	
2020	CAP,SMD,0805,102,K,50V,X7R,	PCS	2	C12:,C333:,	
2021	CAP,SMD,0805,104,K,50V,X7R,	PCS	13	C1:,C11:,C13:,C15:,C18:,C2:,C22:,C32:,C32:,	
2022	CAP,SMD,0805,471,K,50V,X7R,	PCS	1	C324:,	
2023	CAP,SMD,0805,472,K,50V,X7R,	PCS	1	C663:,	
2024	CAP,SMD,0805,105,K,16V,X7R,	PCS	3	C19:,C20:,C3:,	
2025	CAP,SMD,0805,271,K,50V,X7R,	PCS	2	C31:,C33:,	